HTML and CSS Vol 2, Part 1 of 3

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Meet the expert: Dustin Tauer is an Adobe Certified Master Instructor and has a degree in Informational Systems and Technology. He currently teaches development classes focusing on technologies like HTML, CSS, JavaScript, Flash, and Flex. When he’s not training, he’s working on development projects ranging from mobile applications to rich internet applications to instructor-led curriculum.

Prerequisites: This course assumes you have prior experience with HTML4, CSS and JavaScript.

If new to HTML and CSS start with volume 1 courses:

HTML and CSS Vol 1, Part 1 of 5: Basics

HTML and CSS Vol 1, Part 2 of 5: Flexbox and Fonts

HTML and CSS Vol 1, Part 3 of 5: Animations and Icons

HTML and CSS Vol 1, Part 4 of 5: Layout and Elements

HTML and CSS Vol 1, Part 5 of 5: Forms

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Course description: With the advent of multimedia on web pages it became clear that the standard HTML4 was no longer sufficient for web page development. Enter HTML5 and CSS3 in connection with JavaScript. This course covers the changes to HTML that now can embed audio and video playing without using a plug-in. The course will also cover many new features such as Structural Tags, Input Field Types, and Canvas Elements. The course also includes the new CSS3 Transitions, local storage of user preferences, history management, and drawing and animating graphics with WebGL.

Course outline:

Introduction
- Introduction
- Overview
- More Descriptive Markup
- Better Interfaces with CSS3
- Backward Compatibility
- Demo: Feature Support
- Demo: HTML5test.com
- Summary

Structural Tags and Attributes
- Introduction
- New Structural Tags
- New Doctype
- New Element Tags
- Demo: Webpage with new Tags
- Summary

Custom Data Attributes
- Introduction
- Custom Data Attributes
- Pop-up Window
- Demo: Custom Data Attribute
- Summary

HTML5 Form Input Types
- Introduction
- New Input Types
- Virtual Keyboards
- Demo: Input Types
- Demo: E-Mail Box
- Demo: Range Box
- Demo: Date Box
- Demo: Search Box
- Summary

User Friendly Web Forms
- Introduction
- Additional Attributes
- Autocomplete Attribute
- Demo: Placeholder
- Demo: Autofocus
- Demo: Autocomplete
- Summary

Advanced Form Validation
- Introduction
- HTML5 Web Forms
- Required Attribute
- Pattern Attribute
- Demo: Form Validation
- Demo: Patterm Attribute
- Demo: Valid E-Mail
- Demo: Error Notification
- Summary

Embedding Audio and Video
- Introduction
- Overview
- Codecs
- Container Formats
- Audio Tag
- Video Limitations
- Demo: Embedding Audio
- Demo: Embedding Video
- Summary

Pseudo Classes
- Introduction
- Overview
- nth-of-type Pseudo Class
- nth-child Pseudo Class
- Other CSS3 Pseudo Classes
- Demo: Pseudo Classes
- Summary